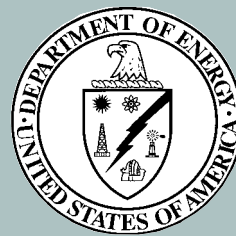


Standards Actions— October 2002

Visit the Technical Standards
Program Web Site at
<http://tis.eh.doe.gov/techstds/>.

Standards Actions



DOE Technical Standards Program Document Status

10-01-2002

Activity Summary

In Conversion – 4

In Preparation – 49

Out for Comment – 16

Published this Month – 0



5-year Review Status

Revision in Progress – 10

Reaffirmation in Progress – 9

Cancellation Pending – 5

Cancellation in Progress – 1

No Current Action – 21

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DOE Technical Standards Projects Initiated

If you have any questions or are interested in participating in the development of these standards, please contact the representatives listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on DOE Technical Standards, then click on Projects in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards projects were recently initiated:

- *Mechanical Systems Functional Area Qualification Standard*, Project Number TRNG-0029, Project Contact: Norm Schwartz, U.S. Department of Energy, Preparing Activity: EH-53, 301-903-2996; fax: 301-903-6172; Norm.Schwartz@hq.doe.gov.
- *Instrumentation and Control Functional Area Qualification Standard*, Project Number TRNG-0030, Project Contact: Norm Schwartz, U.S. Department of Energy, Preparing Activity: EH-53, 301-903-2996; fax: 301-903-6172; Norm.Schwartz@hq.doe.gov.

DOE Technical Standards Recently Published

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

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The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- NSF 61 (i38)-200x, *Drinking Water System Components – Health Effects* (revision of ANSI/NSF 61-2000) – October 21, 2002.
- UL 60745-2-1-200x, *Standard for Safety for Hand-Held Motor-Operated Electric Tools – Safety – Part 2: Particular Requirements for Drills and Impact Drills* (revise and partition ANSI/UL 745 Series-1996) – November 4, 2002.
- UL 60745-2-2-200x, *Standard for Safety for Hand-Held Motor-Operated Electric Tools – Safety – Part 2: Particular Requirements for Screwdrivers and Impact Wrenches* (revise and partition ANSI/UL 745 Series-1996) – November 4, 2002.
- Z9.1-200x, *Ventilation and Control of Airborne Contaminants During Open-Surface Tank Operations* (new standard) – November 4, 2002.
- Z244.1-200x, *Control of Hazardous Energy - Lockout/Tagout and Alternative Methods* (Draft 16, July 30, 2002) (revision of ANSI Z244.1-1982 (R1993)) – November 19, 2002.

The following American National Standards have been approved for publication (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI/ASHRAE 147-2002, *Reducing Emission of Fully Halogenated Chlorofluorocarbon (CFC) Refrigerants in Refrigeration and Air-Conditioning Equipment and Applications* (new standard) – September 9, 2002.
- ANSI/ASME B29.24M-2002, *Roller Load Chains for Overhead Hoists* (revision of ANSI/ASME B29.24M-1995) – August 20, 2002.

- ANSI/ASME NQA-1a-2002, *Quality Assurance Requirements for Nuclear Facility Applications* (supplement to ANSI/ASME NQA-1-2000) – August 20, 2002.
- ANSI/IEEE C57.12.80-2002, *Terminology for Power and Distribution Transformers* (revision of ANSI/IEEE C57.12.80-1978 (R1992)) – September 9, 2002.
- ANSI/ISA 12.00.01-2002, *Electrical Apparatus for Use in Class I, Zones 0, 1 & 2 Hazardous (Classified) Locations: General Requirements* (new standard) – September 11, 2002.
- ANSI/ISA S12.23.01-2001 (IEC 60079-18 Mod), *Electrical Apparatus for Use in Class I, Zone 1 Hazardous (Classified) Locations: Type of Protection – Encapsulation 'm'* (revision of ANSI/ISA S12.23.01-1998 (IEC 79-18 Mod)) – September 12, 2002.
- ANSI/UL 778-2002, *Motor Operated Water Pumps* (new standard) – July 10, 2002.

The following international standards are currently in coordination (comment due dates follow each entry):

- 89/556/FDIS, IEC 60695-5-1, Ed.2, *Fire hazard testing – Part 5-1: Corrosion damage effects of fire effluent – General guidance* – October 25, 2002.
- ISO/DIS 11064-4, *Ergonomic design of control centres – Part 4: Layout and dimensions of workstations* – December 21, 2002.
- prEN 14529, *Respiratory protective devices – Self-contained open-circuit compressed air breathing apparatus with half mask designed to include a positive pressure lung governed demand valve for escape purposes only – Requirements, testing, marking* – January 22, 2003.
- prEN 12845, *Fixed firefighting systems – Automatic sprinkler systems – Design and installation* – for information.

The following newly published international standards are available:

- IEC 60076-4 Ed. 1.0 b:2002, *Power transformers – Part 4: Guide to the lightning impulse and switching impulse testing – Power transformers and reactors*.
- ISO 15903:2002, *Soil quality – Format for recording soil and site information*.
- ISO 8205-1:2002, *Water-cooled secondary connection cables for resistance welding – Part 1: Dimensions and requirements for double-conductor connection cables*.

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- ISO 8205-2:2002, *Water-cooled secondary connection cables for resistance welding – Part 2: Dimensions and requirements for single-conductor connection cables*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers (ASME)

Office: 3 Park Avenue, 20th Floor
New York, New York 10016

Fax: (212) 591-8501

Contact: Silvana Rodriguez-Bhatti,
rodriguezs@asme.org,

- ASME Y14.8M-200x, *Castings and Forgings* (revision of ANSI/ASME Y14.8M-1996 (R2002)).
- ASME Y14.100-200x, *Engineering Drawing Practices* (revision of ANSI/ASME Y14.100-2000).

American Society for Testing and Materials International (ASTM)

Office: 100 Barr Harbor Drive
West Conshohocken, Pennsylvania

Fax: (610) 832-9666

Contact: Jeffrey Adkins, jadkins@astm.org

- ASTM Z7131Z-200x, *Guide for Absorbed-Dose Mapping in Radiation Processing Facilities* (new standard).
- ASTM Z9734Z-200x, *Classification for Biodegradable Fire Resistant Hydraulic Fluids* (new standard).

American Society for Testing and Materials International

Standards activities of the American Society for Testing and Materials International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-

832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is October 10, 2002):

- C 868-85(1995)E01, *Test Method for Chemical Resistance of Protective Linings* – revised standard.
- D 5156-95, *Test Methods for Continuous Measurement of Ozone in Ambient, Workplace, and Indoor Atmospheres (Ultraviolet Absorption)* – revised standard.
- D 5755-95, (Includes Change to Title) *Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Concentrations* – revised standard.
- D 5766/D 5766M-95, *Test Method for Open Hole Tensile Strength of Polymer Matrix Composite Laminates* – revised standard.
- D 6671-01, *Test Method for Mixed Mode I-Mode II Interlaminar Fracture Toughness of Uni-Directional Fiber Reinforced Polymer Matrix Composites* – revised standard.
- D 6742/D 6742M-01, *Practice for Filled-hole Tension and Compression Testing of Polymer Matrix Composite Laminates* – revised standard.
- D 3479/D 3479M-96, *Test Method for Tension-tension Fatigue of Polymer Matrix Composite Materials* – reapproved standard.
- E 223-96, *Test Methods for Analysis of Sulfuric Acid* – reapproved standard.
- E 224-96, *Test Methods for Analysis of Hydrochloric Acid* – reapproved standard.
- E 402-95, *Test Method for Spectrographic Analysis of Uranium Oxide (u308) by Gallium Oxide-carrier Technique* – revised standard.
- E 1023-84(1996), *Guide for Assessing the Hazard of a Material to Aquatic Organisms and Their Uses* – reapproved standard.

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- E 1049-85(1997), *Practices for Cycle Counting in Fatigue Analysis* – reapproved standard.
- E 1328-99, *Terminology Relating to Photovoltaic Solar Energy Conversion* – revised standard.
- E 1623-02, *Test Method for Determination of Fire and Thermal Parameters of Materials, Products, and Systems Using an Intermediate Scale Calorimeter ICAL* – revised standard.
- E 1686-96, *Guide for Selection of Environmental Noise Measurements and Criteria* – revised standard.
- E 1689-95, *Guide for Developing Conceptual Site Models for Contaminated Sites* – reapproved standard.
- E 1678-97, *Test Method for Measuring Smoke Toxicity for Use in Fire Hazard Analyses* – revised standard.
- E 1823-96E01, *Terminology Relating to Fatigue and Fracture Testing* – reapproved standard.
- E 1849-96, *Guide for Fish and Wildlife Incident Monitoring and Reporting* – reapproved standard.
- E 1873-97, *Guide for Detection of Nucleic Acid Sequences by the Polymerase Chain Reaction Technique* – reapproved standard.
- E 2150-01, *Classification for Life-cycle Environmental Work Elements – Environmental Cost Element Structure* – revised standard.
- New Standard, *Test Method for Determining the Fire-Endurance of Perimeter Fire Barrier Systems Using the Intermediate-scale, Multi-story Test Apparatus* – Ref. Z7211Z.
- New Standard, *Test Method for Measurement of Electrical Performance and Spectral Response of Nonconcentrator Multijunction Photovoltaic Cells and Modules* – Ref. Z8507Z.
- New Standard, *Guide for Environmental Compliance Performance Assessment* – Ref. Z8689Z.

The following newly published standards are available from ASTM:

- D 6724-01, *Guide for Installation of Direct Push Ground Water Monitoring Wells* – new standard.
- D 5195-02, *Test Method for Density of Soil and Rock In-place at Depths Below the Surface by Nuclear Methods* – revised standard.
- D 3223-02, *Test Method for Total Mercury in Water* – revised standard.

- D 3972-02, *Test Method for Isotopic Uranium in Water by Radiochemistry* – revised standard.
- D 5174-02, *Test Method for Trace Uranium in Water by Pulsed-Laser Phosphorimetry* – revised standard.
- D 5792-02, *Practice for Generation of Environmental Data Related to Waste Management Activities: Development of Data Quality Objectives* – revised standard.
- E 176-01a, *Terminology of Fire Standards* – revised standard.

Comments, Questions, and Addresses

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Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

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Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, 865-574-0398, Fax 865-574-8481, queenerds@ornl.gov.

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Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, queenerds@ornl.gov.